REMARKS

Claims remaining in the present patent application are numbered 1-23. The rejections and comments of the Examiner set forth in the Office Action dated November 17, 2004 have been carefully considered by the Applicants. Applicants respectfully request the Examiner to consider and allow the remaining claims.

35 U.S.C. §103 Rejection

The present Office Action rejected Claim 1 under 35 U.S.C. 103(a) as being unpatentable over Matsuzaki et al. (U.S. Patent No. 6,140,992), in view of Kim et al. (U.S. Patent No. 5,355,443), and Singla et al. (U.S. Patent No. 6,597,373), and Dinwiddie et al. (U.S. Patent No. 6,195,078). Also, Claims 2-4, 7, and 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Matsuzaki et al. in view of Kim, Yuki et al. (U.S. Patent No. 5,805,149), further in view of Ogawa et al. (U.S. Patent No. 6,018,331) and Singla et al. and Dinwiddie et al. Further, Claims 5, 6, and 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Matsuzaki et al. in view of Kim et al. and Yuki et al. and Singla et al. and Dinwiddie et al. Moreover, Claims 10-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Matsuzaki et al. in view of Kim et al., and further in view of Ogawa et al., and Singla et al. and Dinwiddie et al. Also, Claims

18-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Matsuzaki et al. in view of Kim et al. and Yuki et al., further in view of Ogawa, Singla, Dinwiddie et al. and He et al. (U.S. Patent No. 6323,849).

Applicants have reviewed the above cited references and respectfully submit that the present invention, as recited in Claims 1-23, is neither anticipated nor rendered obvious by the Matsuzaki et al. reference taken alone or in combination with the Singla et al., Kim et al., Dinwiddie, Yuki et al., Ogawa et al., and He et al. references.

Independent Claims 1, 10, and 18

Applicants respectfully point out that embodiments of the present invention as claimed in amended independent Claims 1, 10, and 18 each recite, in part:

> a border attribute register for containing said display attribute for said border region, wherein said display attribute is automatically selected to provide viewing contrast with [image data or character images] located near said border region, and wherein said display attribute comprises color and intensity information . . . (Emphasis Added)

Specifically, the claimed embodiments of the present invention pertain to a controllable pixel border that surrounds a frame buffer region for improved viewability of a display device. That is, the pixel border displays a display attribute. For instance, the pixel border is

useful for increasing viewability, e.g., contrast, of images and/or characters that are displayed along the edge of a frame buffer region.

In particular, embodiments of the present invention as claimed in independent Claims 1, 10, and 18, recite, unlike the prior art references which do not disclose a controllable pixel border region, a pixel border region that displays a display attribute that comprises color and intensity information.

Applicants respectfully note that the prior art reference, Matsuzaki et al., does not teach nor suggest a controllable pixel border region of the present invention. Specifically, Applicants respectfully assert that the Matsuzaki et al. reference does not teach or render obvious a display attribute for a pixel border region that comprises color and intensity information. In fact, the only reference to intensity is to an orientation state of the FLCD of Figure 23, and not to a display attribute for a pixel border region, as in the present invention.

Moreover, the Singla et al. and Dinwiddie et al. references fail to remedy the shortcomings of the Matsuzaki et al. reference. Specifically, Applicants respectfully note that neither the Singla et al. reference nor the Dinwiddie et al. references teach or render obvious a

display attribute for a pixel border region that comprises color and intensity information. In fact, the term "intensity" cannot be found in either of these two references.

Furthermore, the Kim et al. reference fails to overcome the shortcomings of the Matsuzaki et al., Singla et al., and Dinwiddie et al. references. That is, Applicants respectfully note that the Kim et al. reference does not teach or render obvious a display attribute for a pixel border region that comprises color and intensity information. In fact, the term "intensity" is mentioned in relation to pixels in the frame buffer region, and not the pixel border region, as in the present invention.

Moreover, the Yuki et al., Ogawa et al., and He et al. prior art references also do not teach, suggest, or disclose a pixel border region displaying a display attribute comprising color and intensity information, as in embodiments of the present invention as claimed in independent Claims 1, 10, and 18.

Thus, Applicants respectfully contend that embodiments of the present invention as claimed in independent Claims 1, 10, and 18 are neither anticipated nor rendered obvious by the Matsuzaki et al., taken alone or in combination with the Singla et al., Kim et al., Dinwiddie et al., Yuki et

al., Ogawa et al., and He et al. references, and are in a condition for allowance. As a result, Applicants respectfully submit that Claims 2-9 which depend from independent Claim 1, as currently amended, are also in a condition for allowance as being dependent on an allowable base claim. Also, Applicants respectfully submit that Claims 11-17 which depend from independent Claim 10, as currently amended, are also in a condition for allowance as being dependent on an allowable base claim. Further, Applicants respectfully submit that Claims 19-23 which depend from independent Claim 18, as currently amended, are also in a condition for allowance as being dependent on an allowable base claim.

CONCLUSION

In light of the facts and arguments presented herein, Applicants respectfully request reconsideration of the rejected Claims.

Based on the arguments presented above, Applicants respectfully assert that Claims 1-23 overcome the rejections of record. Therefore, Applicants respectfully solicit allowance of these Claims.

The Examiner is invited to contact Applicants' undersigned representative if the Examiner believes such action would expedite resolution of the present Application.

Respectfully submitted,

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